

REMARKS

In the Final Office Action, Claims 1 and 3-22 were rejected under 35 U.S.C. §103(a) as being obvious over Kosamo (U.S. PGPUB 2004/0250069) in view of Kim (U.S. PGPUB 2003/0078061), and further in view of IEEE Std 802.16-2001 and Applicants' Admitted Prior Art (APA).

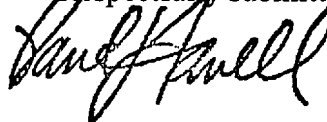
Claims 1, 4-6, 11, 13, 17 and 20 are amended, and Claims 3 and 10 are cancelled. No new matter is introduced. Claims 1, 4-9 and 11-22 are pending in the application.

Each of independent Claims 1, 6, 13, 17 and 20 have been amended to clarify that the traffic encryption key is used to encrypt traffic data to be transferred through a data traffic between the subscriber station and the base station, and the service type represents a type of the data traffic and is one of a unicast service, a multicast service, and a broadcast service. The cited references, whether taken alone or in combination, fail to disclose or suggest such recitation.

Accordingly, Claims 1, 6, 13, 17 and 20 are believed to be in condition for allowance. Without conceding the patentability *per se*, dependent Claims 4-5, 7-9, 11-12, 14-16, 18, 19, 21 and 22 are allowable in view of their dependence therefrom.

All of the claims pending in the Application, namely, Claims 1, 4-9 and 11-22, are believed to be in condition for allowance. Should the Examiner believe that a telephone conference or personal interview would facilitate resolution of any remaining matters, it is requested that the Examiner contact Applicants' attorney at the number given below.

Respectfully submitted,



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